

Title (en)

Method and apparatus for controlling sheet shape in sheet rolling

Title (de)

Verfahren und Vorrichtung zum Regeln der Bandform beim Bandwalzen

Title (fr)

Procédé et dispositif pour régler la forme d'une bande pendant le laminage

Publication

EP 1044737 A2 20001018 (EN)

Application

EP 00302621 A 20000329

Priority

JP 9094899 A 19990331

Abstract (en)

During rolling with a rolling mill, which includes a sheet shape altering device capable of altering a mechanical sheet crown, while the sheet shape altering device is operated correspondingly with a target mechanical sheet crown set value during the dimensional alteration in rolling, the invention enables a stable sheet shape to be achieved, even when the mechanical sheet crown is altered to a large extent during rolling. Specifically, the target mechanical sheet crown set value, during the dimensional alteration in rolling, is previously set based on target mechanical sheet crown set values, before and after the dimensional alteration, prior to start of the dimensional alteration in rolling. The sheet shape altering device is then operated so that an actual mechanical sheet crown, during the dimensional alteration in rolling, is equal to the target mechanical sheet crown set value during the dimensional alteration in rolling. <IMAGE>

IPC 1-7

B21B 37/28

IPC 8 full level

B21B 37/28 (2006.01)

CPC (source: EP KR US)

B21B 37/28 (2013.01 - EP US); **B21B 37/42** (2013.01 - KR); **B21B 38/00** (2013.01 - KR); **B21B 2263/04** (2013.01 - KR); **B21B 2269/02** (2013.01 - KR)

Cited by

EP1297908A1; KR20030084551A; CN103357670A; US6779373B2; US8302445B2; WO2007134661A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1044737 A2 20001018; **EP 1044737 A3 20021016**; **EP 1044737 B1 20041229**; CA 2302658 A1 20000930; CA 2302658 C 20070213; CN 1171690 C 20041020; CN 1268410 A 20001004; DE 60016999 D1 20050203; DE 60016999 T2 20050609; KR 100604503 B1 20060725; KR 20000063033 A 20001025; TW 476678 B 20020221; US 6230532 B1 20010515

DOCDB simple family (application)

EP 00302621 A 20000329; CA 2302658 A 20000328; CN 00105359 A 20000331; DE 60016999 T 20000329; KR 20000015681 A 20000328; TW 89106020 A 20000331; US 53355000 A 20000323